

StoneLite[®] Panels Take Natural Stone Cladding To New Heights

Rising high in the Downtown Manhattan skyline, Barclay Tower stands as a prime example of the rebuilding of the Financial District following the devastation of 9-11. The residential building, which opened in Spring of 2008, also elevates a return of luxury rental property marked by high-end architectural design, employing a thoughtful combination of old-world comforts with new world advances.



Glenwood Management's 57-story residential skyscraper was constructed with a full range of amenities, including generous one, two and three-bedroom apartments arranged with no more than nine apartments per floor. The apartments feature nine to ten foot ceilings, top-of-the line fixtures, and decorative entrances.

All of the 396 apartment units are housed within an ornate structure featuring a grand three-story Colonnade entrance, chiseled limestone walls and cornices, marble floors bordered with hand-crafted mosaic stone, and wood seating areas, furnished and decorated by acclaimed American designer John Saladino.



Fountains and stone finishes along the lower levels of the Barclay Tower exterior provide an architectural integration with a Lower Manhattan landmark, the neighboring historic St. Peter's Church, the state of New York's oldest Catholic parish.

Not to be overlooked however, are the three-dimensional limestone column covers and pilasters that rise to the top of the Barclay exterior. This stone cladding provides an architectural flare, made possible by the stone veneer innovations of StoneLite®, manufactured by Stone Panels, Inc.

“StoneLite® panels are an attractive and affordable alternative to dimensional stone,” said Stone Panels, Inc. CEO Lance Utterback. “Solid rough sawn slabs of limestone are sandwiched between two 3/4 inch-thick pieces of aircraft quality aluminum honeycomb using a proprietary high-strength, fiber-reinforced epoxy. When the adhesive has cured, the slabs are cut through their center by a diamond tip saw, producing a reinforced thin stone veneer panel that is lighter, yet stronger, than solid, heavy stone.”



The lightweight StoneLite® panels made it possible to incorporate natural stone cladding on the exterior of even upper levels of Barclay Tower.

This patented manufacturing process offers substantial impact resistance and flexural strength, according to Utterback.

Approximately 51,000 square feet of StoneLite® limestone panels were installed on the exterior of Barclay Tower by the Bronx, NY firm, Millennium Masonry, Inc. The majority of panels were 5-ft. by 5-ft., with a 12-in. by 12-in. “V” running the full height of each panel, but the pieces only weighed 130 lbs., including the attachment system,

making installation quick and easy.

Glenwood Management selected the StoneLite® system for the residential high-rise, incorporating Indiana limestone panels fabricated with reveals on lower levels, ornate



limestone cornices at the eighth level and limestone column covers and pilasters for the upper floors.

Working with their architect, Costas Kondylis & Partners, the StoneLite® system was specified for its unique flexibility in providing large and

massive, yet lightweight, three-dimensional shaped natural stone panels.

“It simply would not have been practical or affordable to use a solution other than StoneLite® for the exterior cladding of a building such as Barclay Tower,” said Stone Panels, Inc. CEO Lance Utterback.

“The sheer weight of dimensional stone, coupled with the installation cost of hoisting equipment and masonry labor, would have proven too much for a building project of this size and height.”

Many of the StoneLite® panels manufactured for the Barclay Tower cladding were created with unique corners and returns in Stone Panels’

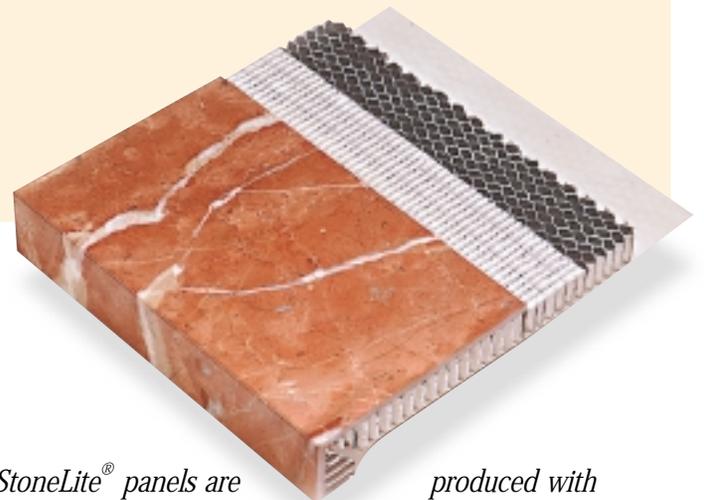
“It simply would not have been practical or affordable to use a solution other than StoneLite® for the exterior cladding of a building such as Barclay Tower.”

Coppell, Texas facility, another aspect of the product that Utterback says contributed to the project’s success.

“The StoneLite® system allowed us to realize the design intent for the building while completing the exterior façade significantly faster than would have been possible with solid dimensional stone. We are quite pleased with the result,” said Sal Puccio, Glenwood Management Corp. vice president of construction.

“I believe everyone was surprised with how quickly the StoneLite® panels were installed,” Utterback said. “There were a couple of occasions in which installation of the panels had to be held up because the installers had caught up with concrete structure crews above them.”

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StoneLite® panels are produced with natural stone affixed to a 3/4 inch-thick aircraft quality aluminum honeycomb using a proprietary high-strength, fiber-reinforced epoxy.

"The Barclay Tower project was certainly the tallest structure we have worked with, but the StoneLite® system demonstrated that building height actually accentuates the benefits of this cladding solution. The lightweight panels were easier to move to the upper levels, and installation could be accomplished faster and safer than solid heavy stone alternatives."

By early April 2008, Barclay Tower neared complete apartment leasing, with only five percent of occupancy remaining.

Gary Jacob, executive vice president of Glenwood Management said, "As people increasingly flock to lively downtown neighborhoods, Barclay Tower meets the rising need for luxurious living standards in this desirable location."

"I know that all of us at Stone Panels, Inc.

are proud of our contribution to this project that integrates the luxury amenities renters seek, with an architectural respect for the historic neighboring buildings," Utterback said. "And, I know that with Barclay Tower, we have shown that StoneLite® can take the cladding of any building to new heights."

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Natural limestone column covers with reveals and an eighth level cornice adjacent to St. Peter's Parish.

StoneLite®

100 S. ROYAL LANE, COPPELL, TX 75019
PHONE: 469.635.5000 • FAX: 469.635.5555
TOLL FREE: 800.328.6275 • www.stonepanels.com